

# Hydric Soils

State of Rhode Island: Bristol, Kent, Newport, Providence, and Washington Counties

[This report lists only those map unit components that are rated as hydric. Dashes (---) in any column indicate that the data were not included in the database. Definitions of hydric criteria codes are included at the end of the report]

| Map symbol and map unit name | Component | Percent of map unit | Landform | Hydric rating | Hydric criteria |
|------------------------------|-----------|---------------------|----------|---------------|-----------------|
| <b>Aa:</b>                   |           |                     |          |               |                 |
| Adrian muck                  | Adrian    | 90                  | ---      | Yes           | 1, 4            |
|                              | Carlisle  | 3                   | ---      | Yes           | 1, 3, 4         |
|                              | Ridgebury | 2                   | ---      | Yes           | 2B3             |
|                              | Scarboro  | 2                   | ---      | Yes           | 2B3             |
|                              | Whitman   | 2                   | ---      | Yes           | 2B3             |
|                              | Raypol    | 1                   | ---      | Yes           | 2B3             |
| <b>Ba:</b>                   |           |                     |          |               |                 |
| Beaches                      | Matunuck  | 1                   | ---      | Yes           | 2B2, 3          |
| <b>Bc:</b>                   |           |                     |          |               |                 |
| Birchwood sandy loam         | Stissing  | 1                   | ---      | Yes           | 2B3             |
| <b>Co:</b>                   |           |                     |          |               |                 |
| Carlisle muck                | Carlisle  | 90                  | ---      | Yes           | 1, 3, 4         |
|                              | Adrian    | 3                   | ---      | Yes           | 1, 4            |
|                              | Scarboro  | 2                   | ---      | Yes           | 2B3             |
|                              | Walpole   | 2                   | ---      | Yes           | 2B3             |
|                              | Whitman   | 2                   | ---      | Yes           | 2B3             |
|                              | Leicester | 1                   | ---      | Yes           | 2B3             |
| <b>Dc:</b>                   |           |                     |          |               |                 |
| Deerfield loamy fine sand    | Walpole   | 5                   | ---      | Yes           | 2B3             |
| <b>Ip:</b>                   |           |                     |          |               |                 |
| Ipswich peat                 | Ipswich   | 95                  | ---      | Yes           | 1, 3            |
|                              | Matunuck  | 5                   | ---      | Yes           | 2B2, 3          |
| <b>Ma:</b>                   |           |                     |          |               |                 |
| Mansfield mucky silt loam    | Mansfield | 95                  | ---      | Yes           | 2B3             |
|                              | Stissing  | 5                   | ---      | Yes           | 2B3             |

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|--|-----------|---------------------|------------|---------------|-----------------|
| Mc:<br>Mansfield very stony mucky silt loam                            | Mansfield | 90                  | ---        | Yes           | 2B3             |
|  | Stissing  | 10                  | ---        | Yes           | 2B3             |
| Mk:<br>Matunuck mucky peat   | Matunuck  | 95                  | ---        | Yes           | 2B2, 3          |
|  | Ipswich   | 5                   | ---        | Yes           | 1, 3            |
| Nt:<br>Ninigret fine sandy loam  | Raypol    | 1                   | ---        | Yes           | 2B3             |
|  | Walpole   | 1                   | Depression | Yes           | 2B3             |
| PbB:<br>Paxton very stony fine sandy loam, 0 to 8 percent slopes       | Leicester | 1                   | ---        | Yes           | 2B3             |
|  | Ridgebury | 1                   | ---        | Yes           | 2B3             |
| PbC:<br>Paxton very stony fine sandy loam, 8 to 15 percent slopes      | Leicester | 1                   | ---        | Yes           | 2B3             |
|  | Ridgebury | 1                   | ---        | Yes           | 2B3             |
| PcC:<br>Paxton extremely stony fine sandy loam, 3 to 15 percent slopes | Leicester | 1                   | ---        | Yes           | 2B3             |
|  | Ridgebury | 1                   | ---        | Yes           | 2B3             |
| PmA:<br>Pittstown silt loam, 0 to 3 percent slopes                     | Stissing  | 5                   | ---        | Yes           | 2B3             |
| PmB:<br>Pittstown silt loam, 3 to 8 percent slopes                     | Stissing  | 5                   | ---        | Yes           | 2B3             |
| PnB:<br>Pittstown very stony silt loam, 0 to 8 percent slopes          | Stissing  | 3                   | ---        | Yes           | 2B3             |
| Pp:<br>Podunk fine sandy loam  | Rippowam  | 5                   | ---        | Yes           | 2B3             |

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| <b>Rc:</b>   |           |                     |          |               |                 |
| Raypol silt loam   | Raypol    | 90                  | ---      | Yes           | 2B3             |
|  | Scarboro  | 3                   | ---      | Yes           | 2B3             |
|  | Walpole   | 3                   | ---      | Yes           | 2B3             |
| <b>Re:</b>   |           |                     |          |               |                 |
| Ridgebury fine sandy loam  | Ridgebury | 90                  | ---      | Yes           | 2B3             |
|  | Leicester | 4                   | ---      | Yes           | 2B3             |
|  | Whitman   | 3                   | ---      | Yes           | 2B3             |
| <b>Rf:</b>   |           |                     |          |               |                 |
| Ridgebury, Whitman, and Leicester extremely stony fine sandy loams | Leicester | 30                  | ---      | Yes           | 2B3             |
|  | Ridgebury | 30                  | ---      | Yes           | 2B3             |
|  | Whitman   | 20                  | ---      | Yes           | 2B3             |
|  | Adrian    | 10                  | ---      | Yes           | 1, 4            |
| <b>Rk:</b>   |           |                     |          |               |                 |
| Rock outcrop   | Matunuck  | 5                   | ---      | Yes           | 2B2, 3          |
| <b>Rp:</b>   |           |                     |          |               |                 |
| Rock outcrop-Canton complex  | Leicester | 4                   | ---      | Yes           | 2B3             |
| <b>Ru:</b>   |           |                     |          |               |                 |
| Rumney fine sandy loam   | Rippowam  | 85                  | ---      | Yes           | 2B3             |
|  | Adrian    | 8                   | ---      | Yes           | 1, 4            |
| <b>Sb:</b>   |           |                     |          |               |                 |
| Scarboro mucky sandy loam  | Scarboro  | 90                  | ---      | Yes           | 2B3             |
|  | Walpole   | 4                   | ---      | Yes           | 2B3             |
|  | Raypol    | 2                   | ---      | Yes           | 2B3             |

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| <b>ScA:</b>   |           |                     |          |               |                 |
| Scio silt loam, 0 to 3 percent slopes                         | Raypol    | 2                   | ---      | Yes           | 2B3             |
|   | Rippowam  | 2                   | ---      | Yes           | 2B3             |
| <b>Se:</b>  |           |                     |          |               |                 |
| Stissing silt loam  | Stissing  | 90                  | ---      | Yes           | 2B3             |
|   | Mansfield | 3                   | ---      | Yes           | 2B3             |
| <b>Sf:</b>  |           |                     |          |               |                 |
| Stissing very stony silt loam                                 | Stissing  | 90                  | ---      | Yes           | 2B3             |
|   | Mansfield | 5                   | ---      | Yes           | 2B3             |
| <b>Ss:</b>  |           |                     |          |               |                 |
| Sudbury sandy loam  | Walpole   | 1                   | ---      | Yes           | 2B3             |
| <b>StA:</b>   |           |                     |          |               |                 |
| Sutton fine sandy loam, 0 to 3 percent slopes                 | Leicester | 5                   | ---      | Yes           | 2B3             |
| <b>StB:</b>   |           |                     |          |               |                 |
| Sutton fine sandy loam, 3 to 8 percent slopes                 | Leicester | 5                   | ---      | Yes           | 2B3             |
| <b>SuB:</b>   |           |                     |          |               |                 |
| Sutton very stony fine sandy loam, 0 to 8 percent slopes      | Leicester | 3                   | ---      | Yes           | 2B3             |
| <b>SvB:</b>   |           |                     |          |               |                 |
| Sutton extremely stony fine sandy loam, 0 to 8 percent slopes | Leicester | 3                   | ---      | Yes           | 2B3             |
| <b>Tb:</b>  |           |                     |          |               |                 |
| Tisbury silt loam   | Raypol    | 3                   | ---      | Yes           | 2B3             |
| <b>UAB:</b>   |           |                     |          |               |                 |
| Udipsamments  | Matunuck  | 1                   | ---      | Yes           | 2B2, 3          |
| <b>Wa:</b>  |           |                     |          |               |                 |
| Walpole sandy loam  | Walpole   | 90                  | ---      | Yes           | 2B3             |
|   | Scarboro  | 3                   | ---      | Yes           | 2B3             |
| <b>WbA:</b>   |           |                     |          |               |                 |
| Wapping silt loam, 0 to 3 percent slopes                      | Leicester | 3                   | ---      | Yes           | 2B3             |

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|--|-----------|---------------------|----------|---------------|-----------------|
| <b>WbB:</b><br>Wapping silt loam, 3 to 8 percent slopes                          | Leicester | 2                   | ---      | Yes           | 2B3             |
| <b>WcB:</b><br>Wapping very stony silt loam, 0 to 8 percent slopes               | Leicester | 3                   | ---      | Yes           | 2B3             |
| <b>WdB:</b><br>Wapping extremely stony silt loam, 0 to 8 percent slopes          | Leicester | 2                   | ---      | Yes           | 2B3             |
| <b>WhA:</b><br>Woodbridge fine sandy loam, 0 to 3 percent slopes                 | Ridgebury | 2                   | ---      | Yes           | 2B3             |
| <b>WhB:</b><br>Woodbridge fine sandy loam, 3 to 8 percent slopes                 | Ridgebury | 2                   | ---      | Yes           | 2B3             |
| <b>WoB:</b><br>Woodbridge very stony fine sandy loam, 0 to 8 percent slopes      | Ridgebury | 3                   | ---      | Yes           | 2B3             |
| <b>WrB:</b><br>Woodbridge extremely stony fine sandy loam, 0 to 8 percent slopes | Ridgebury | 3                   | ---      | Yes           | 2B3             |

### Explanation of hydric criteria codes:

1. All Histels except for Folistels, and Histosols except for Folists.
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, Pachic subgroups, or Cumulic subgroups that:
  - A. are somewhat poorly drained and have a water table at the surface (0.0 feet) during the growing season, or
  - B. are poorly drained or very poorly drained and have either:
    - 1.) a water table at the surface (0.0 feet) during the growing season if textures are coarse sand, sand, or fine sand in all layers within a depth of 20 inches, or
    - 2.) a water table at a depth of 0.5 foot or less during the growing season if permeability is equal to or greater than 6.0 in/hr in all layers within a depth of 20 inches, or
    - 3.) a water table at a depth of 1.0 foot or less during the growing season if permeability is less than 6.0 in/hr in any layer within a depth of 20 inches.
3. Soils that are frequently ponded for long or very long duration during the growing season.
4. Soils that are frequently flooded for long or very long duration during the growing season.